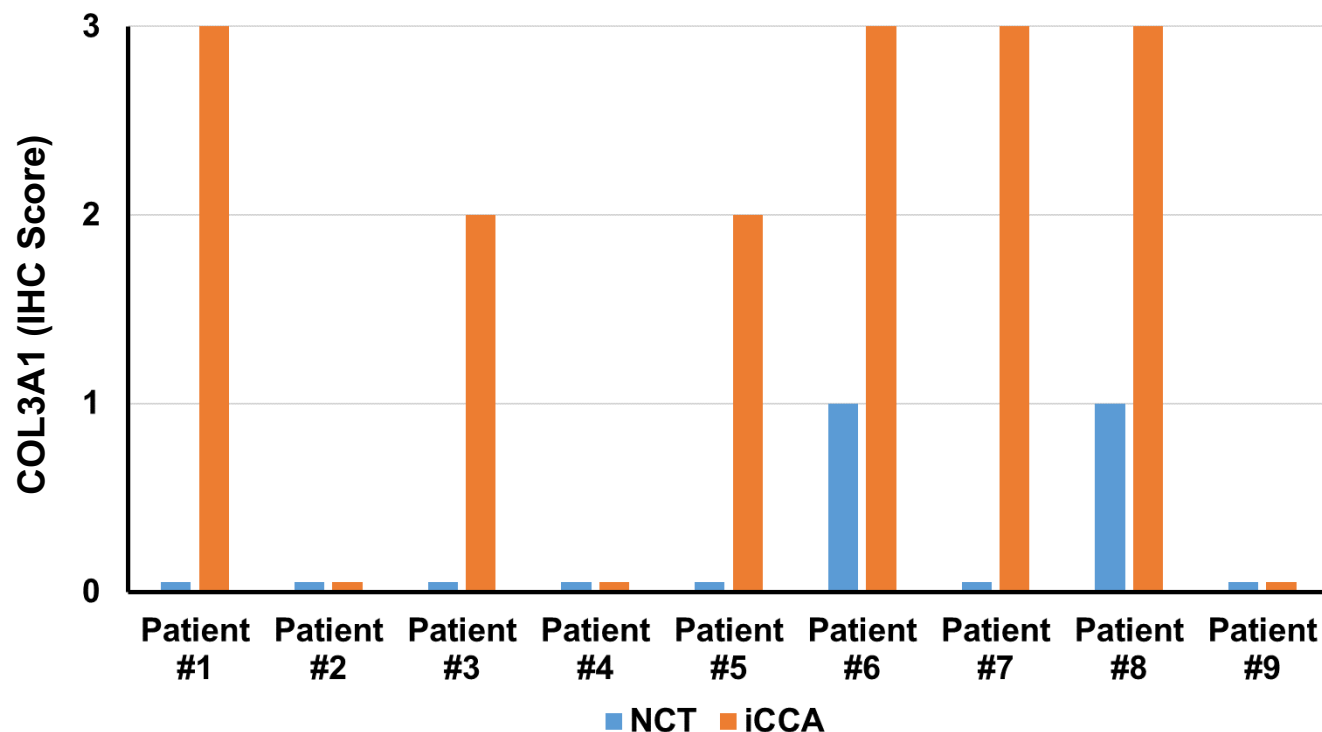


## Additional file 2



Immunohistochemistry (IHC) semi-quantitative score for COL3A1 expression in samples obtained from each patient. iCCA: intrahepatic cholangiocarcinoma; NCT: non cancerous liver tissue